



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



April 18, 2002
Letter of Deficiency
DAM #044.07

Mr. Chet Orban
Chester Rod and Gun Club
Tenney Road, P.O. Box 337
Chester, NH 03036

RE: Chester Rod and Gun Club Dam, Chester

Dear Mr. Orban:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on March 19, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

1. There was debris collected on the upstream face of the culvert, creating an impoundment;
2. There were trees and shrubs growing from the upstream and downstream faces of the dam;
3. There is no operation and maintenance plan on file with the DES; and
4. The dam cannot pass the routed 50-year storm event (443 cfs) with one foot of freeboard. The dam could discharge this flow with a water level at the top of the dam.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

June 4, 2002:

1. Remove the accumulated debris from the upstream mouth of the culvert. This should be added to the operation and maintenance plan as a routine maintenance item;
2. Remove trees and shrubs growing from the upstream and downstream faces of the dam, within 10 feet of the downstream toe of the dam; and

Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel.

If the club is considering reconstruction of the dam, the dam must be reconstructed to pass the routed 100-year storm event (707 cfs) with one foot of freeboard. This is a current design requirement for reconstructing Class A, low hazard dams in New Hampshire.

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DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,



Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Chester

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